Operating Instructions
System Manual

Video Control Device
1288 00

GIRA

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The Gira door communication system operates with the voltage type SELV.

In systems with video components, up to 18 home stations and two door stations with colour cameras can be connected to the 2-wire bus.

In systems with audio components, systems with up to 70 audio devices can be realised with certain system configurations, e.g.
1 Built-in speaker with 5 add-on modules and
68 Surface-mounted hands-free feature home station.

Depending on the system size, a maximum of 3 home stations can be operated in parallel per call button

Planning software

An exact determination of the maximum system size is possible with the planning software at www.gira.de.

A call-tone differentiation is made between the following calls at the home stations:

- door call (initiated by call button)
- floor call (initiated by floor-call button)
- internal call (initiated by call button for home stations)

Cabling and cable arrangement

Cables with a wire diameter of 0.6 or 0.8 mm can be used as bus lines.

The following cable types are suitable for use as bus lines:

- J-Y(ST)Y (communication line)
- YR (insulated bell wiring)
- A-2Y(L)2Y (communication cable)

Cabling for new installation

We recommend communication line "J-Y(ST)Y" for new installations of the Gira door communication system.

Cable lengths in video systems

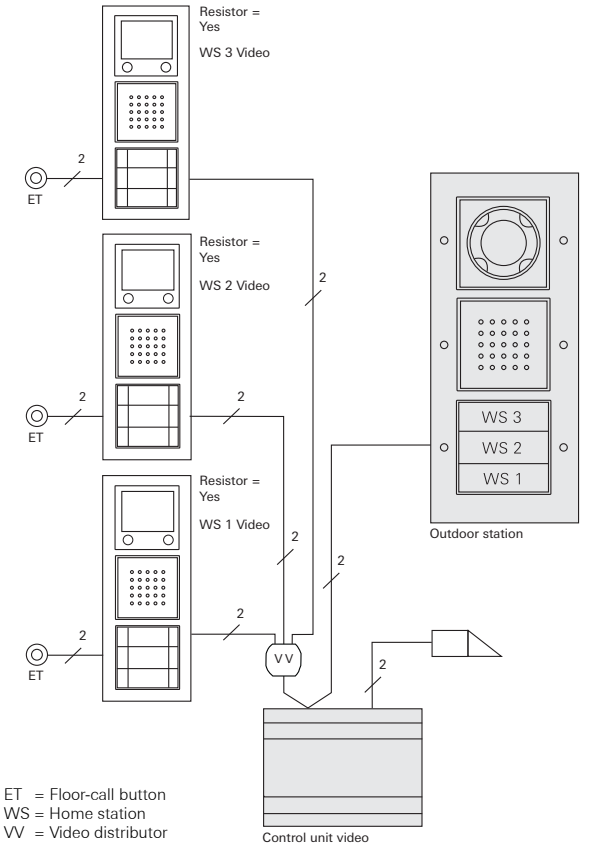
The maximum cable length between the colour camera and TFT display is 100 m.

Cable lengths in audio systems

The maximum total cable length (distributed among several wiring sections) is 700 m.
A maximum of 30 devices may be connected to each wiring section.
The maximum cable lengths of the individual sections (from the control device to the last device) are dependent on the cable diameter used. The guidelines for audio components are:

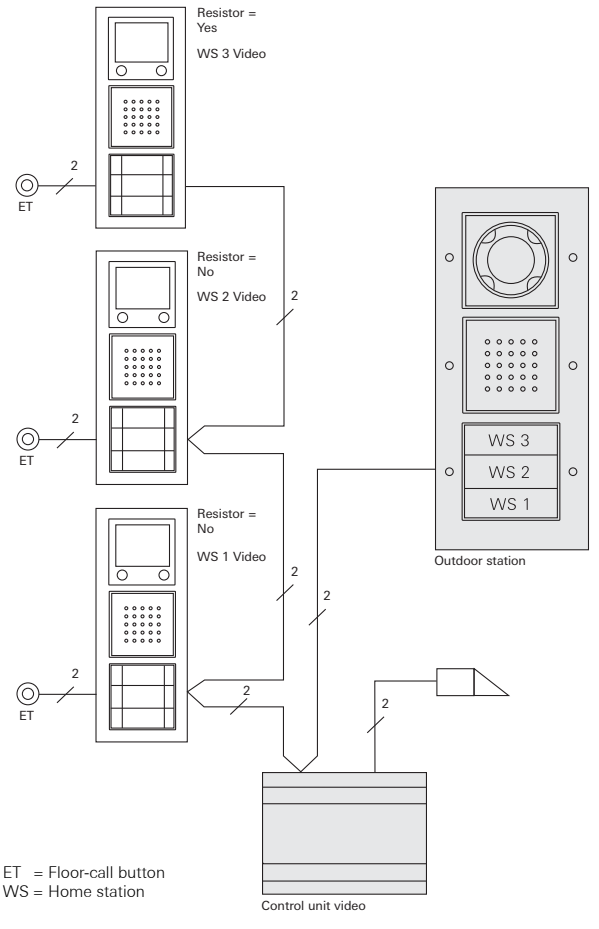
- 0.6 mm diameter: 170 m
- 0.8 mm diameter: 300 m

Solution: "branching"



For the "branching" solution, the terminating resistances of the home stations in the TFT display must be set to "Yes" (see also Page 33).

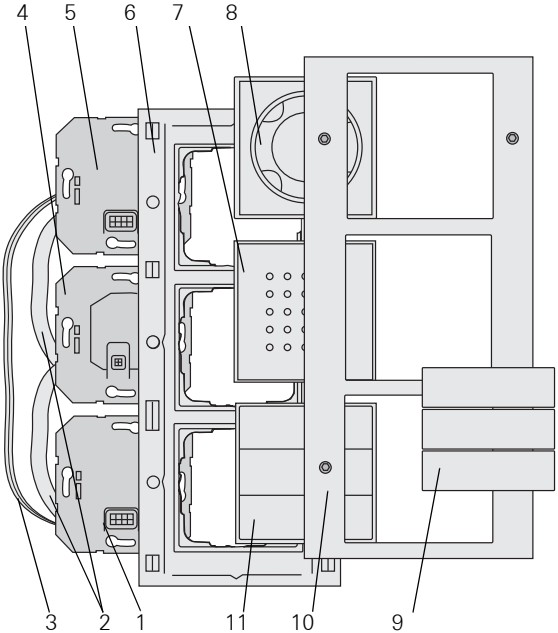
"Loop-through" solution



A video distributor is not required for the "looping through" solution. The terminating resistance of WS1 and WS2 must be deactivated (see also Page 33).

Structure of a flush-mounted door station with colour camera

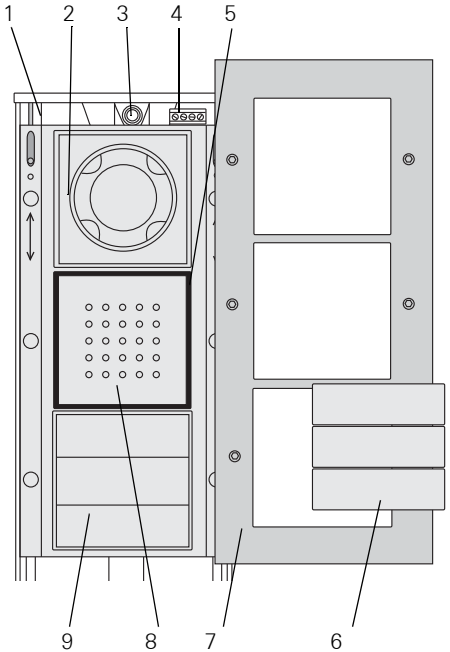
The basic structure of a flush-mounted door station with the video function is presented in the example of the flush-mounted door station with video function with 3-gang call button and colour camera.



1 Door communication bus coupler
2 Audio connection cable (6 pole)
3 Video connection cable (2 pole)
4 Speech insert
5 Camera insert
6 TX_44 cover frame, bottom section*
7 Door speaker top unit
8 Colour camera top unit
9 Call-button cover plates
10 TX_44 cover frame, top section*
11 3-gang call button
* not incl. in scope of supply

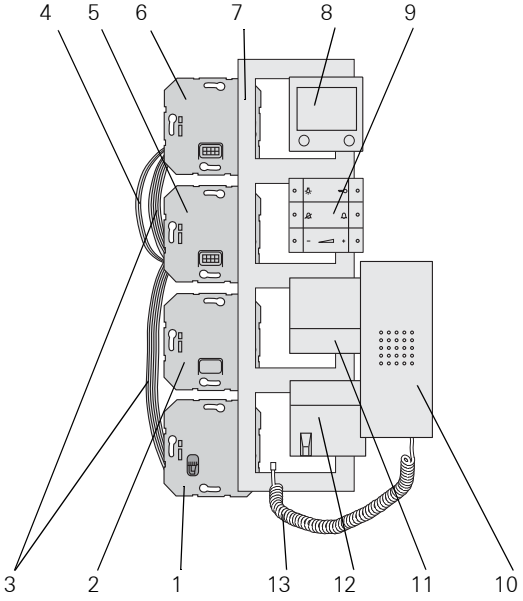
Structure of a surface-mounted door station with colour camera

The basic structure of a surface-mounted door station with the video function is presented in the example of the surface-mounted door station with colour camera and 3-gang call button.



1 Housing, bottom section
2 colour camera
3 Cable inlet
4 Connection terminals
5 Sealing ring
6 Call-button cover plates
7 Housing, top section
8 Speech cover plate
9 3-gang call button

The basic structure of a home station with video function is presented in the example of the Comfort home station with receiver and TFT display.



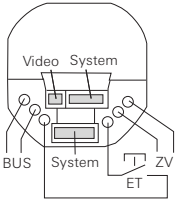
1 Receiver insert
2 Empty insert
3 Audio connection cable (6 pole)
4 Video connection cable (2 pole)
5 Door communication bus coupler
6 Display insert
7 Cover frame (not included in scope of supply)
8 TFT display top unit
9 Operating buttons
10 Receiver
11 Receiver mount
12 Receiver mount with cable branch
13 Receiver cable

The flush-mounted versions of the door and home stations are connected to the 2-wire bus via door-communication bus couplers.

Bus coupler jumpers

The accompanying wire jumpers **must** be attached between BUS and ZV at the bus coupler in order for the colour camera/ TFT display to operate. Therefore the call button illumination at the door stations can not be switched off.

The bus coupler has the following connections:



BUS

The devices are connected to the 2-wire bus via the BUS terminals. Polarity need not be taken into account during connection, as the polarity of the door communication bus is neutral.

Floor-call button (ET)

With home stations, any push button (NO contact) can be connected to the ET terminals as the floor-call button.

With the door stations, for example, a mechanical bell button (NO contact) can be connected. This then acts like a call button from the Gira door communication system during start-up and later operation.

The maximum cable length between the mechanical button and the door-communication bus coupler is 20 m.

Additional supply (ZV)
The ZV terminals have two functions:

1. Power supply of call button illumination at the door stations. The call buttons are constantly illuminated at the door stations with colour camera.
2. Additional power supply for bus devices which can no longer be powered via the 2-wire bus. This could be a third camera, for example.

If an additional supply is connected, remove the jumpers

If an external supply is connected to the ZV terminals, the jumpers between ZV and BUS must be removed at the respective bus coupler.

The following connectors are also available:

System
The door communication inserts are connected to each other with the 6-pole audio connection cable via these connectors.

Video
The door communication bus coupler is connected to the flush-mounted inserts of the video devices, e.g. TFT colour display, colour camera etc., via the 2-pole connector.

Rubber plugs in the connectors

The "second" connectors are sealed with rubber plugs. These plugs can be removed if necessary.

The video control device is the main power supply of the Gira door communication system.
The video control device assumes the following tasks in the Gira door communication system:

- provision of the bus voltage (26 V DC ± 2 V) for the door communication system.
- Power supply for up to 2 colour cameras,
  up to 4 colour cameras (2 with additional power supply) can be operated per video control device.
- Power supply of call button illumination
  (max. 15, the number of call button illuminations that can be supplied is dependent on the system size and the number of home stations operation in parallel).
- provision of door opener control, including power supply (12 V AC, 1.1 A) of the door opener.
- activation of the programming mode from the entire door communication bus system.

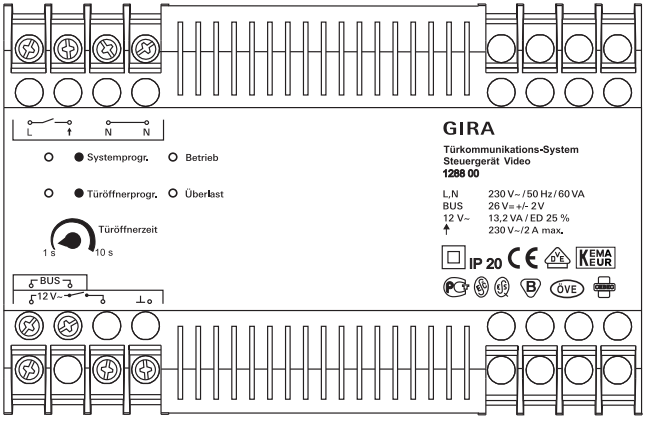
Additional product features of the control device:

- In audio systems: Up to 70 audio devices, e.g.
  1 built-in speaker with 5 add-on modules,
  68 surface-mounted hands-free feature home station.
- In video systems: up to 18 home stations with TFT display and two door stations with colour cameras, with max. three parallel home stations, can be connected.

Parallel home stations with TFT display

If parallel home stations with TFT display are used, one display must be defined as the main display and the others as secondary displays.

- Electronic overload and short-circuit protection.
- electronic excess-temperature protection.
- overload/short-circuit LED indicator.
- LED operation indication for determination of whether or not mains voltage is active.
- adjustable activation time of door opener.



"Betrieb" indicator

During trouble-free normal operation, only the green "Betrieb" LED illuminates. It indicates that the device is being supplied with power.

"Überlast" indicator

The video control device is equipped with an electronic overload protection which protects the electronics of the control device against short-circuits and overloading on the bus line.
The overload protection is activated if, for example, the bus line is short-circuited due to an installation error or too many bus devices/bus loads are connected.

The red "Überlast" LED indicates both short-circuits and overloads. The flashing duration of the LED corresponds to the time during which the bus voltage is deactivated when a fault occurs. The LED then flashes for up to 5 seconds after the fault has been eliminated.

With a permanent overload (or short-circuit), the bus voltage is switched off for approx. 180 s after the third overload detection. During this switch-off phase, the "Systemprogr.", "Türöffnerprogr." and "Überlast" LEDs flash.
The LEDs then flash for up to 180 seconds after the fault has been eliminated.

"Systemprogr." button

If the "Systemprogr." button is pressed for 3 seconds, the door communication system is switched to programming mode. The yellow LED next to the programming button indicates the active programming mode via flashing (see Page 18).

"Türöffnerprogr." button

The "Türöffnerprogr." button has two functions:

1. Activating door-opener programming mode:
   If the "Türöffnerprogr." button is pressed for 3 seconds while the system is in programming mode, the door-opener programming mode is activated (see Page 22).
   The yellow LED next to the "Türöffnerprogr." button indicates the active door-opener programming mode via flashing.
2. Actuation of the connected door opener.
   Briefly pressing the "Türöffnerprogr." button activates the door opener for the set door opener time.
   The yellow LED next to the "Türöffnerprogr." button illuminates during the switching time.

"Türöffnerzeit" adjuster

The activation time of the door opener is set continuously at the "Türöffnerzeit" adjuster. The setting time lies in the range 1 second to 10 seconds. The potentiometer can be adjusted with a screwdriver with a 3 mm blade.

Connection terminals of video control device

L, N

Mains connection terminals L and N (AC 230 V, 50 Hz).

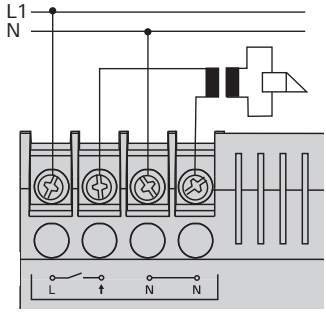
⊥ (function earth line)

A function earth line was connected to this terminal for functional purposes.
Lay the earth potential to the earth terminal with suitable cabling (not a green-yellow cable).

Bus

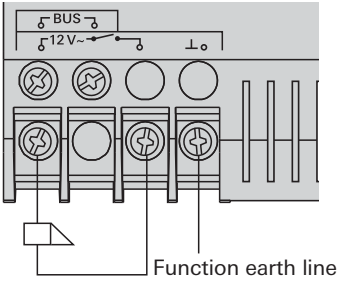
Output for powering of the Gira door communication bus with regulated direct current (26 V DC ± 2 V, 700 mA).

(Door opener output 230 V AC/max. 2 A)



A door opener which **cannot** be connected to the "12 VAC" terminals due to its electrical values (e.g. very low-ohm or 24 V AC) can be connected to the equipotential-bonding relay contact with an external power supply (230 V AC, max. 2 A).

12 V~ (Door opener output 12 V AC)



The 12 VAC output is used to supply power to and control the door opener (8 - 12 V, max. 1.1 A).

Not a continuous 12 V output

Power is not continuously supplied at the door opener output. The 12 V power supply at the door opener output is only present for the door opener time set at the adjuster.

Mounting of video control device

Attention

Installation and mounting of electrical devices may only be carried out by a qualified electrician.

For installation protected from dripping and sprayed water, mount the control device to a top-hat rail in the distribution.

The mains and bus connection is made via screw terminals.

The mains connection must be made via an all-pole mains switch with at least a 3 mm contact opening.

The function earth line must be connected via a distributor block.

The ventilation slits of the control device must not be blocked.

Technical data of video control device

Primary rated voltage:	AC 230 V, 50 Hz
Secondary rated voltage:	SELV 26 V DC ± 2 V
Secondary rated current:	700 mA continuous load Overload deactivation from approx. 900 mA 1.15 A peak load (max. 5 seconds)
Protection type:	IP 20
Screw terminals:	0.6 mm ∅ to 2.5 mm^2
Door opener output:	12 V AC, 1.1 A (switched for the set door opener time)
Door opener time:	adjustable, 1 to 10 seconds
Power-on time of door opener:	25% (max. 10 seconds ON, then 30 seconds OFF)
Operating temperature:	- 5 °C to + 45 °C
Dimensions:	8 modules, series inst. housing

The Gira door communication system is switched to programming mode for start-up:

1. Press the "Systemprogr." button on the **control device** for 3 seconds.

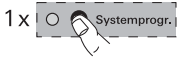
✓ The yellow LED next to the programming button flashes (flash frequency: 1 Hz) after the button is pressed and indicates the active programming mode.

The system is now in programming mode for approx. 7 minutes. Each time the start-up button is pressed on a door or home station, the time is reset to 7 minutes.

LED indicators on BUS devices

The active programming mode is also signalled by the LED of various BUS devices, such as the hands-free feature home station, the Comfort home station with receiver or the surface-mounted hands-free feature home station.
An overview of the LED indication is found on Page 38.

Exiting programming mode



1. Briefly press the "Systemprogr." button on the **control device** to exit the programming mode.

✓ The yellow LED goes out.

Start-up documentation

For documentation on the home stations assigned to the call buttons, please see the table on Page 40.
There you enter the names/homes in the sequence in which you will allocate the home stations later on.

To assign a door station call button to a home station, proceed as follows:

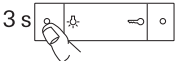
1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

2. Press the call button on the **door station** for 3 seconds until you hear a short acknowledgement tone.

✓ You will hear a long acknowledgement tone.

Releasing the button after 3 seconds

If the button press is not ended after the first acknowledgement tone, all assignments of the respective door/home station will be deleted after an additional 3 seconds.



3. Press the button on the **home station** for 3 seconds until you hear a short acknowledgement tone.

✓ A long acknowledgement tone indicates successful assignment.
Three short acknowledgement tones indicate faulty assignment. The memory of the home station may already be occupied. A maximum of 10 call buttons can be assigned to a home station (a maximum of 15 call buttons to a surface-mounted hand-free feature home station).

4. Press the "Systemprogr." button on the **control device** to exit the programming mode.

5. Carry out a function test.

To assign the door-station call buttons to the respective home stations, please proceed as follows:

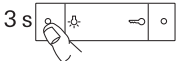
1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

2. Press the call buttons on the **door station** for 3 seconds until you hear a short acknowledgement tone.
Important: Press the call buttons in the sequence in which the home stations will be assigned later.

✓ You will hear a long acknowledgement tone.

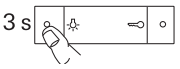
Releasing the button after 3 seconds

If the button press is not ended after the first acknowledgement tone, all assignments of the respective door/home station will be deleted after an additional 3 seconds.



3. Go to the **home station** whose call button is the **first** one you pressed at the door station.
Press the button on this **home station** for 3 seconds until you hear a short acknowledgement tone.

✓ A long acknowledgement tone indicates successful assignment.
Three short acknowledgement tones indicate faulty assignment. The memory of the home station may already be occupied. A maximum of 10 call buttons can be assigned to a home station (a maximum of 15 call buttons to a surface-mounted hand-free feature home station).



4. Go to the **home station** whose call button is the **second** one you pressed at the door station.
   Press the button on this **home station** for 3 seconds until you hear a short acknowledgement tone.

✓ A long acknowledgement tone indicates successful assignment.

5. Go to the other **home stations** and repeat Step 4 at each one.

6. After you have assigned all the home stations, press the "Systemprogr." button on the **control device** to exit programming mode.
7. Carry out a function test.

Maximum number of call buttons per step

Up to 20 call buttons can be temporarily stored per step. If more than 20 call buttons are to be assigned, the first 20 call buttons must first be pressed and then assigned to the home stations. The remaining call buttons can then be assigned.

The door opener connected to the control device is assigned to the "main" door station. It is activated if the ⊂ button at a home station is pressed spontaneously, even without any previous conversation.

The door opener of a "back/side" door is connected to the switching actuator. It can be activated via the ⊂ button if a door call was previously initiated from the door station of a "back/side" door. It is switched to the "main" door 2 minutes after the door call or 30 seconds after the door call.

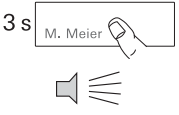
Assigning door opener of "main" door

The door opener connected to the control device is programmed at the respective door station as follows:

1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

2. Press the "Türöffnerprogr." button on the **control device** for 3 seconds to start the door-opener programming mode.

✓ The LED next to the "Türöffnerprogr." button flashes.

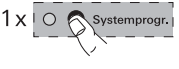


3. Press any call button on the **door station** for 3 seconds until you hear a short acknowledgement tone.

✓ A long acknowledgement tone confirms successful assignment.
In addition, the door opener connected to the control device is operated for the set time.

To assign additional door stations to the same door opener, repeat Step 3 at the next door station.

4. Press the "Türöffnerprogr." button on the **control device** to exit door opener programming mode.



5. Press the "Systemprogr." button on the **control device** to exit the programming mode.

Assigning door opener of a "side/back" door

The door opener connected to the switching actuator is programmed at the respective door station as follows:

1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

2. Briefly press the "Function" button on the **switching actuator** several times until the "Türöffner" LED flashes.

3. Press the "Progr." button on the **switching actuator** for 3 seconds until the yellow LED next to the "Progr." button flashes.

4. Press any call button on the **door station** for 3 seconds until you hear a short acknowledgement tone.

Releasing the button after 3 seconds

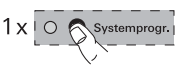
If the button press is not ended after the first acknowledgement tone, all assignments of the respective door/home station will be deleted after an additional 3 seconds.

✓ A long acknowledgement tone confirms successful assignment.
In addition, the door opener connected to the switching actuator is operated for the set time.

To assign additional door stations to the same door opener, repeat Step 4 at the next door station.

5. Briefly press the "Progr." button at the **switching actuator** to exit door opener programming mode of the switching actuator.

✓ The LED of the "Progr." button goes out.
The LED of the last selected function ("Door opener" in this example) continues to flash until programming mode at the control device is exited.



6. Press the "Systemprogr." button on the **control device** to exit the programming mode.

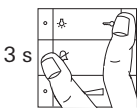
Hands-free feature and Comfort home station

The function "automatic door opener" is only supported by the hands-free feature home station and the Comfort home station with receiver.

The automatic door opener is, for example, used in doctor's offices when after pressing a door-station call button, the door opener is to be automatically operated. With the automatic door opener activated, the door opener assigned to the calling door station is operated approx. 4 seconds after the door call is triggered. If several door stations are present in the system, the automatic function automatically acts on the door opener of the door station from which the door call was triggered.
Before use, the automatic door opener must first be enabled:

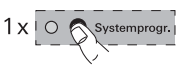
Enabling/disabling "automatic door opener" function

1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).



2. Simultaneously press the buttons and on the **home station** for approx. 3 seconds. By pressing these buttons you can switch over the status of the automatic door opener (enabled or disabled)

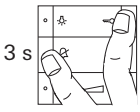
✓ If the LED lights up **long** for confirmation, the "automatic door opener" function is **enabled**.
If the LED lights up **short** for confirmation, the "automatic door opener" function is **disabled**.



3. Press the "Systemprogr." button on the **control device** to exit the programming mode.

If the "automatic door opener" function is enabled, you can activate the automatic door opener as necessary on the home station as follows:

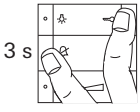
Activating automatic door opener



1. Simultaneously press the buttons 🔔 and ⊂⊃ on the **home station** for approx. 3 seconds to activate the automatic door opener.

✓ When the automatic door opener is activated, the LED ⊂⊃ lights up continuously. The door opener is automatically operated after a door-station call button is pressed.

Deactivating automatic door opener



1. Simultaneously press the buttons 🔔 and ⊂⊃ on the **home station** for approx. 3 seconds to deactivate the automatic door opener.

✓ The ⊂⊃ LED goes out. The automatic door opener is no longer active.

Behaviour after a power failure

The enabled status of the automatic door opener is retained after a power failure.
In this case, the automatic door opener is deactivated for security reasons and must be reactivated if necessary.

Assigning home station via floor-call button

If you cannot access the home during start-up, you can also assign the home station via a connected floor-call button:

1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

2. Press the call button of the home station to be assigned at the **door station** for 3 seconds until you hear a short acknowledgement tone.

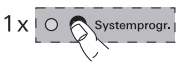
✓ You will hear a long acknowledgement tone.

3. Go to the **floor-call button of the home station** to be assigned.
   Press the floor-call button for 3 seconds until you hear a short acknowledgement tone.

✓ A long acknowledgement tone indicates successful assignment.

Only possible with directly connected home station

With several parallel home stations, only the home station connected directly to the floor-call button can be taught in via the floor call button.



4. Press the "Systemprogr." button on the **control device** to exit the programming mode.

Assigning several home stations to a call button

If several home stations are to be called simultaneously when a door station call button is pressed, a call button can be assigned to several (max. 3) home stations as follows:

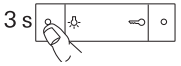
1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

2. Press the call button to which the home stations are to be assigned at the **door station** for 3 seconds until you hear a short acknowledgement tone.

✓ You will hear a long acknowledgement tone.

3. Go to the **first home station**.
Press the ☼ button for 3 seconds until you hear a short acknowledgement tone.

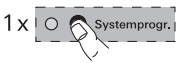
✓ A long acknowledgement tone indicates successful assignment.
Go to the **door station** and press the call button again for 3 seconds.



4. Go to the **second (parallel) home station**.
Press the ☼ button for 3 seconds until you hear a short acknowledgement tone.

✓ A long acknowledgement tone indicates successful assignment.

5. Repeat Steps 4 and 5 to assign an additional parallel home station to the call button.



6. Press the "Systemprogr." button on the **control device** to exit the programming mode.

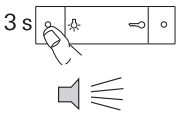
7. Carry out a function test.

Assigning several home stations to a floor-call button

If several home stations are to be called simultaneously when a floor-call button is pressed, a floor-call button can be assigned to several (max. 3) home stations as follows:

1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

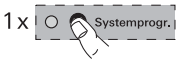
2. Press the floor call button connected to **home station 1** for 6 seconds.You will hear a brief acknowledgement tone after 3 seconds. Hold down the button for another 3 seconds until you hear a long acknowledgement tone.



3. Press the button on **home station 2** for 3 seconds until you hear a short acknowledgement tone.

✓ A successful teach-in is confirmed by a long acknowledgement tone at home station 2.

To assign an additional home station, repeat the procedure from Step 2.



4. Briefly press the "Systemprogr." button on the **control device** to exit the programming mode.

5. Carry out a function test. All assigned home stations ring when the floor-call button is pressed.

Do not connect floor-call button in parallel

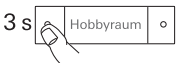
A floor-call button may not be connected to several home stations in parallel.

Assigning call buttons for home station to a home station (internal call)

You can implement the so-called internal call function with the optional call button for home stations. A voice connection between two home stations can be established via the internal call.

To assign the call button of a home station to another home station (e.g. in the hobby room), proceed as follows:

1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).



2. Press the call button on **home station 1** for 3 seconds until you hear a short acknowledgement tone.

✓ You will hear a long acknowledgement tone.

Releasing the button after 3 seconds

If the button press is not ended after the first acknowledgement tone, all assignments of the respective door/home station will be deleted after an additional 3 seconds.

3. Press the button on **home station 2** for 3 seconds until you hear a short acknowledgement tone.

✓ A long acknowledgement tone indicates successful assignment.
Three short acknowledgement tones indicate faulty assignment. The memory of the home station may already be occupied. A maximum of 10 call buttons can be assigned to a home station (a maximum of 15 call buttons to a surface-mounted hand-free feature home station).

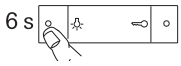
4. Press the "Systemprogr." button on the **control device** to exit the programming mode.

5. Carry out a function test.

Deleting all assignments to a home station

A home station which as already been assigned is deleted as follows:

1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).



2. Press the button on the **home station** for which the assignment is to be deleted for 6 seconds.
   You will hear a brief acknowledgement tone after 3 seconds. Hold down the button for another 3 seconds until you hear a long acknowledgement tone.

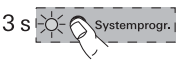
3. Press the "Systemprogr." button on the **control device** to exit the programming mode.

Deletion only possible directly

Deleting the assignment of a call button to a home station is not possible via the floor-call button. The deletion of the assignment can only occur via the button of the home station.

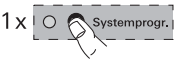
Door opener at video control device

To delete an existing assignment between the door opener connected at the control device and the door station, proceed as follows:



1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

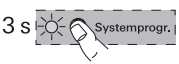
2. Press the "Türöffnerprogr." button on the **control device** for 6 seconds to delete all of the assignments from the control device to the door stations.
   The LED starts flashing after 3 seconds. Keep the button pressed for an additional 3 seconds, until the LED next to the programming button "Türöffnerprogr." flashes rapidly.



3. Press the "Systemprogr." button on the **control device** to exit the programming mode.

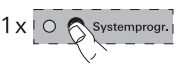
Door opener at switching actuator

To delete an existing assignment between the door opener connected at the switching actuator and the door station, proceed as follows:



1. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

2. Press the "Progr." button on the **switching actuator** for 6 seconds to delete all of the assignments from the switching actuator to the door stations.
   The LED starts flashing after 3 seconds. Keep the button pressed for an additional 3 seconds, until the LED next to the programming button "Türöffnerprogr." flashes rapidly.



3. Press the "Systemprogr." button on the **control device** to exit the programming mode.

Replacement of defective call button top units of a flush-mounted door station

You can replace defective door station call button top units at a flush-mounted door station without having to reprogram the assignments:

1. Replace all defective call button top units with new ones.

2. Press the "System prog." button on the **control device** for 3 seconds to start programming mode (see Page 18).

3. Press any call button on the **door station** for 6 seconds to delete the existing assignments.

4. Press all call buttons on the **door station** one after another in the sequence of the first start-up for 3 seconds to restore the assignments.

✓ The replacement and the old assignment of call buttons is restored with this. No further programming at the home stations is necessary.

5. Press the "Systemprogr." button on the **control device** to exit the programming mode.

6. Carry out a function test.
   If the call buttons were assigned in the wrong order, repeat the procedure and press the call buttons in the reverse order.

Replacement of a door communication bus coupler

When replacing a door communication bus coupler, the system must be restarted, i.e. access to the home station/the floor-call button is required.

In order for the cable ends of the branches to have a defined terminating resistance, you can activate or deactivate the terminating resistance of a home station at the TFT display.

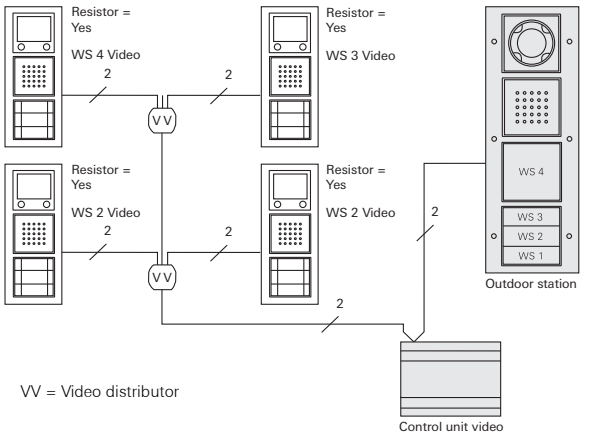
To activate it, go to the menu item "Widerstand" in the TFT display menu and select the option "Yes".

In general, the terminating resistance must be activated at the last home station of a cable line. This applies for both topology types, i.e. "looping through" and "branching".

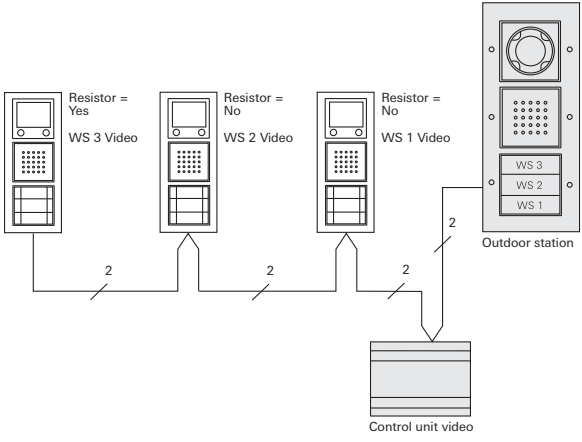
Simple rules, which are explained with examples, exist for the configuration of the terminating resistance:

1. Rule: Always activate terminating resistance at branch end.

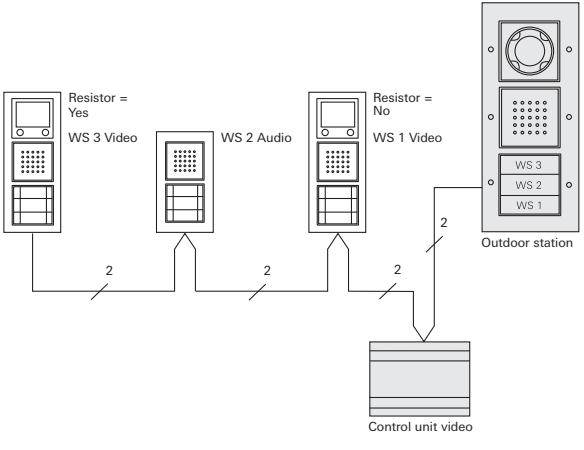
The terminating resistance must be activated at the TFT display for home stations located at the branch end.



2. Rule: Activate the terminating resistance of the last home station for looping through

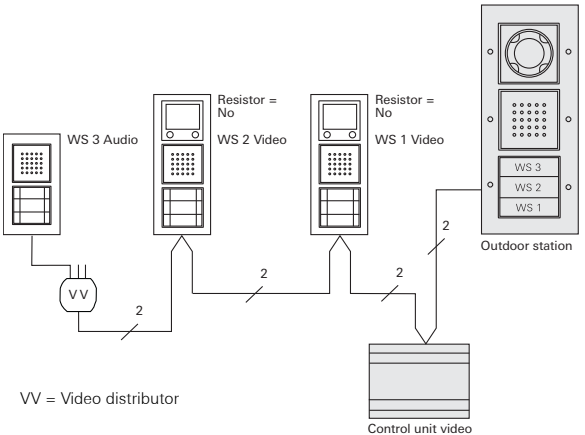


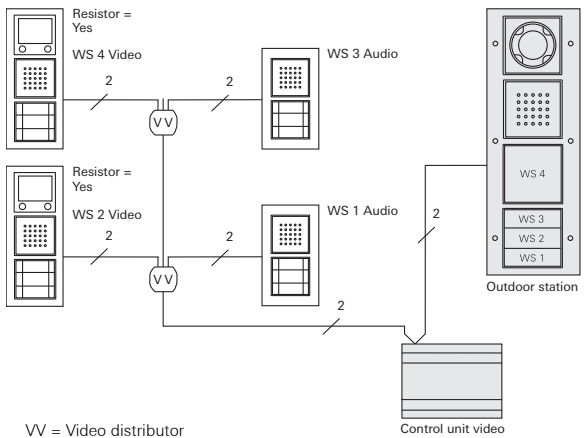
Home stations without the video function can simply be integrated into the line and do not affect the setting of the last home station.



3. Rule: A video distributor is necessary at the branch end for an audio home station

If a home station without the video function is located at the end of a cable line, a video distributor must be inserted.



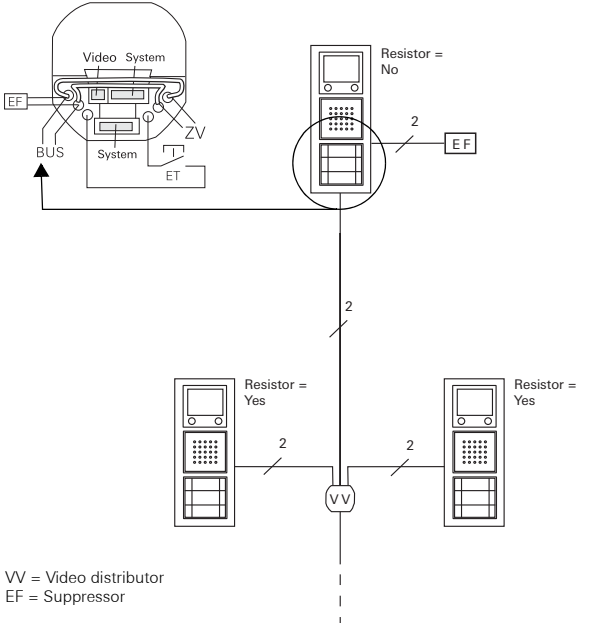


4. Rule: If the video signal runs through 3 or more video distributors, a suppressor must be used.

If the video signal runs through three or more video distributors in a topology, a suppressor must be connected at the furthest home station with TFT colour display.

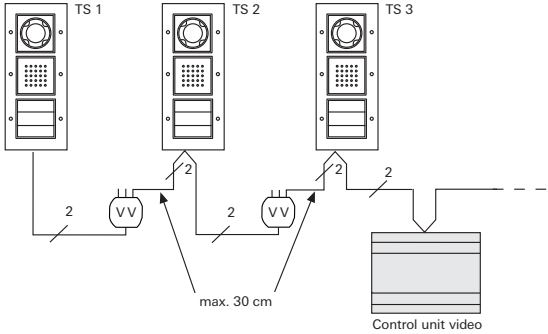
The terminating resistance on the TFT display of this home station is set to "No".

The suppressor is connected to the home station which is last or furthest away in the system to the BUS terminals parallel to the 2-wire bus.



Connection of several colour cameras

When using several door stations with colour cameras, the door stations are linked via video distributors. In this case, note that the output lines of the video distributor may not exceed 30 cm.



Two colour cameras can be supplied via the video control device. The third (and if present the fourth) colour camera requires a separate additional power supply.

The LEDs of the hands-free feature, Comfort with receiver, surface-mounted hands-free feature and surface-mounted gong home stations indicate the system status:

LED/button	System status
or flashes	Programming mode active – call-buttons and/or gong not yet assigned
or lights up	Programming mode active – at least one call button is already assigned to the home station or the gong
lights up	Programming mode active – home station memory of occupied by 10 call buttons (Occupied on the surface-mounted hands-free feature home station with 15 call buttons)
lights up long/short	Programming mode active long = automatic door opener enabled short = automatic door opener disabled
lights up	Automatic door opener activated
flashes 2 min	Comfort home station with receiver: signals incoming call
lights up	Comfort home station with receiver: a call is in progress
flashes 2 min	Hands-free feature and surface-mounted hands-free feature home station: signals incoming call
lights up	Hands-free feature and surface-mounted hands-free feature home station: a call is in progress
lights up	Call tone is deactivated

The Standard home station with receiver has no LED.

In programming mode, the following conditions are indicated using acknowledgement tones:

Acknowledgement tone	Meaning
Short tone	• During assignment: release button • While deleting: no meaning, continue to hold down button
Long tone	• During assignment: call button was assigned successfully • While deleting: release button, assignment is deleted
3 short tones	• During assignment: call button was not assigned* • Memory of door station for calling up learned-in call buttons is occupied (maximum of 20 call buttons) • When assigning a door opener: 3 door openers were already assigned

*a call button cannot be assigned if:

- the home station memory is already occupied by 10 (15) call buttons.
  In this case, the ⇦ LED of the hands-free feature, surface-mounted hands-free feature and Comfort with receiver home station lights up. A maximum of 10 call buttons can be assigned to a home station (a maximum of 15 call buttons to a surface-mounted hands-free feature home station).
- no call buttons at the door or home station were pressed beforehand.
- all previously pressed call buttons were already assigned to other home stations.

Table for start-up documentation

Call button (Number / Name)	**Home station** (Name / Location / Floor)	Taught-in
Meier	2nd floor left, living room	✓

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade).

They will forward the devices to the Gira Service Center.

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